

# Syllabus: Algebra 2

Mr. Worley

## Course Overview

- Algebra II
- Mr. Chad Worley
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## Course Description

This course focuses on the following topics, roughly a quarter of the year spent on each.

1. Functions
  - Parent functions
  - Describing features
  - Transformations (shift/stretch/flip)
2. Quadratics
  - Quadratic Equations
  - Quadratic Graphs
  - Complex Numbers
3. Radicals and Polynomials
  - Equations
  - Graphs
4. More Polynomials
  - Factoring
  - Graphing

## Grade Categories and Percentages

- Classwork: 50%
  - Unfinished classwork becomes homework
- Assessments: 40%
- Work Habits: 10%
  - Quiet during lecture
  - Focus during practice
  - Collaborative during group work
  - Effort

## Materials

Every day you should have:

- A chromebook
- A writing utensil
- Blank paper (I will try to keep a stack of scratch paper in room)

## Artificial Intelligence

- We will investigate a new tool this year:
  - MagicSchool (in Classlink)
- Honestly, this is all new. I expect you to use it like a tutor.
  - No AI will be used on assessments.
  - If you use AI on practice problems, try to go beyond just getting the answer. Ask AI for help understanding the underlying concepts that motivate the individual steps.

## Handbook

- <https://www.bartcharter.org/apps/pages/Student-Handbook>

## Statements of harm/abuse

- Any statement of intent to do harm (to self or others) will be immediately brought to a professional's attention.
- Any statement of abuse will be immediately brought to a professional's attention.